

FILTERING APPARATUS.

**NEW COMPOUND SYSTEM OF FILTRATION (ATKINS'S PATENT),
FOR COUNTRY AND TOWN MANSIONS, PUBLIC INSTITUTIONS, ASYLUMS, HOTELS,
VILLAGES, &c., &c.**

See ATKINS AND Co.'s new Pamphlet, 'The Water Supply to Country Residences, Town Mansions, &c., &c.'—Post Free for Two Stamps.

**'A NEW PATENT SYSTEM FOR THE FILTRATION OF WATER IN QUANTITY, FOR WATER WORKS,
MANUFACTORIES, &c.'**—Pamphlet by ATKINS AND Co., Post Free, Two Stamps.

**A NEW PATENT SYSTEM FOR SOFTENING WATER, REMOVING CARBONATE AND SULPHATE OF
LIME.**—Particulars on application.

INCRUSTATION IN STEAM BOILERS entirely prevented by adopting Atkins and Co.'s System.

PREVENTION OF INCRUSTATION IN BOILERS.

Col. HUDSON, Superintendent of the Army Clothing Depôt, Pimlico, writes as follows :

GENTLEMEN,—In reply to your inquiry respecting the efficient working of the Filters put up by you some three years since in the Government Factory, Pimlico, I beg to inform you they have proved a very great success.

The difficulty we had to contend with prior to their adoption, in using the water furnished by the London companies, as well as that pumped from wells, was that all supplies, though apparently perfectly clear when cold, nevertheless contained a large amount of deposit, and became turbid when at the boiling point, and rapidly formed incrustation in the boilers and supply pipes of the establishment. To such an extent was this incrustation deposited that it frequently became necessary to scale the boilers, and to take down the pipes for the purpose of removing the incrustation, and constant expense and trouble was incurred in so doing. This occurred every six months, and on each occasion the pipes were found to be so stopped up that a pencil could not have been passed through them, and it was necessary to heat them red hot before the deposit could be removed.

The Filtering Apparatus fitted up by you has effectually remedied this difficulty. After using the filtered water for eighteen months, the pipes and boiler were examined and found to be perfectly free from any deposit, and the boiling water at all times remained perfectly clear and remarkably sweet. It has continued so ever since. With regard to the cost of the Filtering Tank and Apparatus, I consider that the expense of putting them up and of cleansing and keeping them in order has been far more than covered by the absence of outlay in taking down and replacing the pipes and scaling the boiler; and setting aside the advantages, from a sanitary point of view, of having pure and sweet water on all occasions for the use of the establishment, I consider the system of filtration we have carried out to be a very great economy.

See also Messrs. ATKINS' recent Pamphlet :—'Hints to Sanitary Legislators,' a treatise on Sanitary Science.—Post Free, Thirteen Stamps.

F. H. ATKINS AND CO.,

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